

Knowledge Organiser

Spring 2 – Year 8 ICT Computer Knowledge

Key term	Definition
RAM	The temporary memory a computer uses to store data that is being used or processed.
CPU	The main part of a computer that performs most of the processing inside the computer. It's often called the "brain" of the computer.
Network	A group of computers and other devices connected to share resources and information.
Input Device	A device used to provide data to a computer (e.g., keyboard, mouse).
Output Device	A device used to receive data from a computer (e.g., monitor, printer).
Binary	A number system that uses only two digits, 0 and 1, used by computers to process data.
Denary	A number system that uses ten digits, 0 to 9, commonly used by humans for counting.

Revision Website:

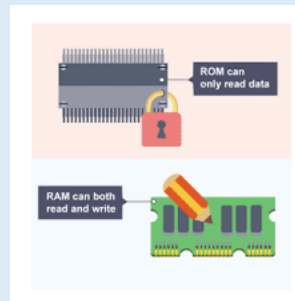
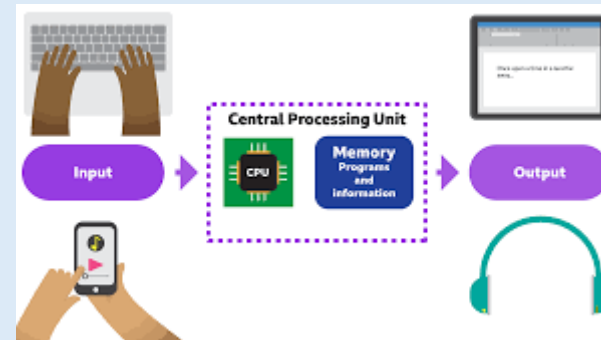


Powerful knowledge

Input devices are used to input data and send commands to the **CPU**.
E.g. Keyboard, mouse.

CPU processes (executes) these requests.

Output devices share data from the computer.
E.g. Headphones, monitor.



ROM is needed to load the operating system.

RAM is the temporary memory, holding data needed to make the device run more efficient. It is cleared when the device is turned off.

Binary is the language the computer understands. It is made up of 0 and 1. We can convert binary into a **denary** (decimal) number.

